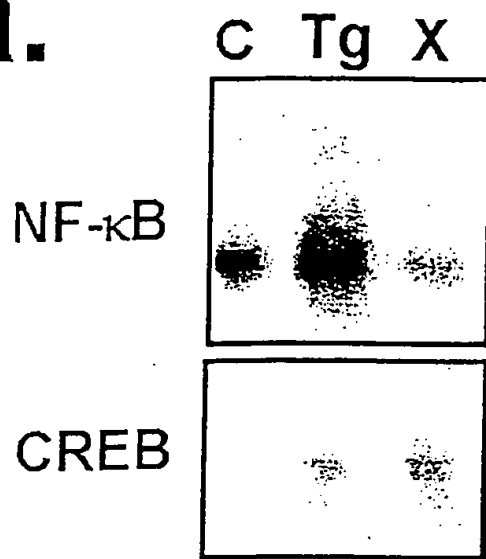


a.



b.

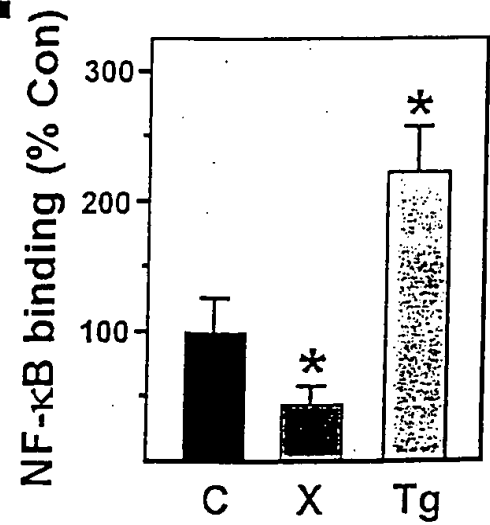


FIGURE 1

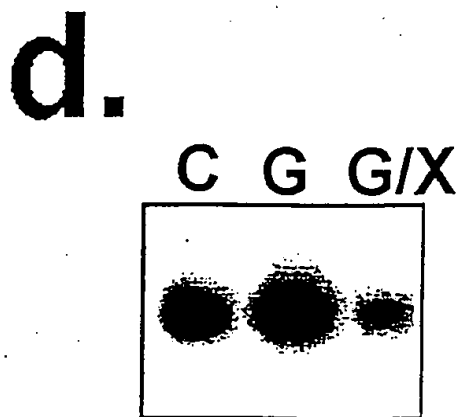
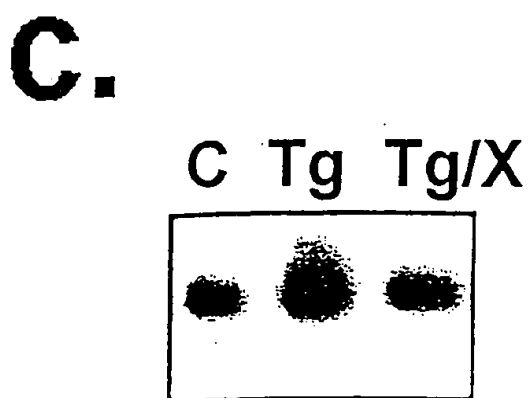
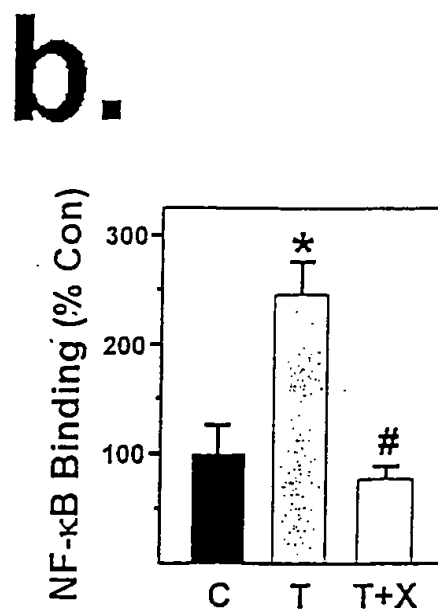
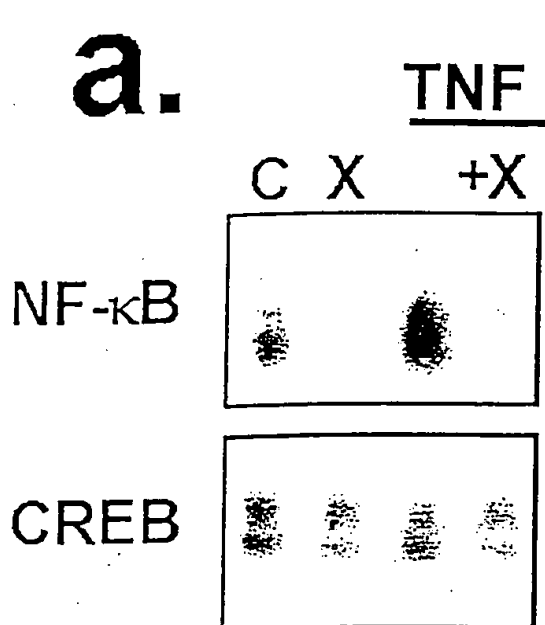


FIGURE 2

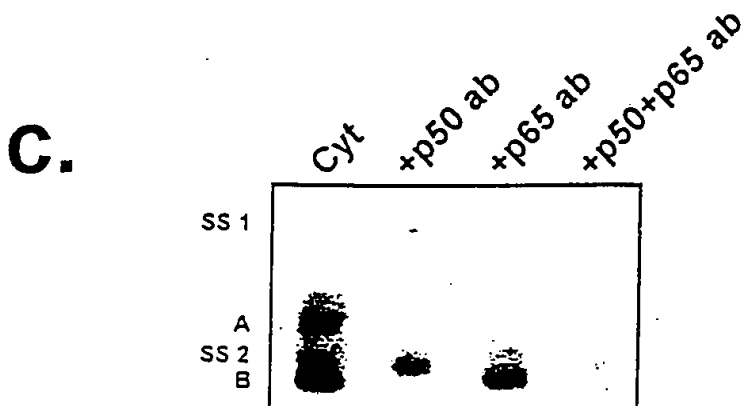
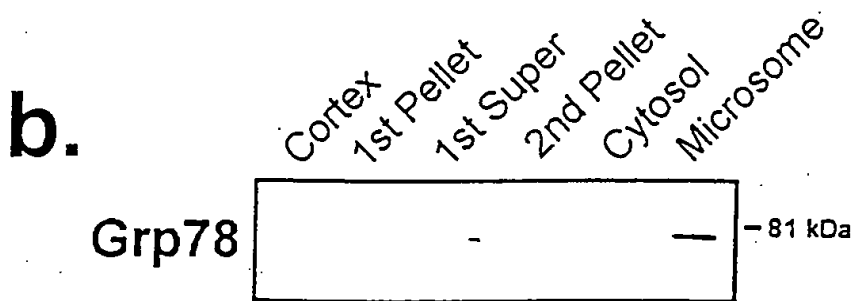
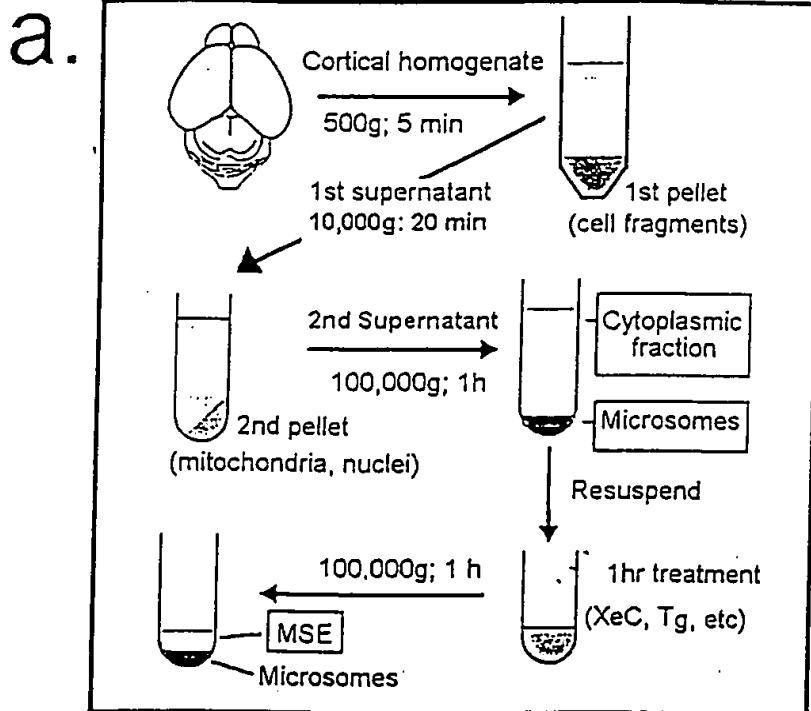


FIGURE 3

C

Tg

X

**b.** $[Ca^{2+}] \text{ (M)}$

Con 10^{-6} 10^{-5} 10^{-4} 10^{-3} 10^{-2}

NF-kB

CREB

C.

C

C Ca^{2+} B Ca^{2+} / B

B

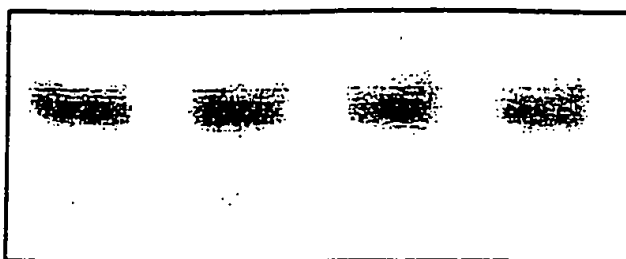
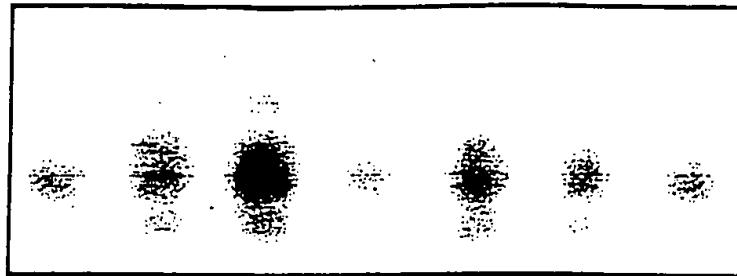
$$\text{Ca}^{2+}/\text{B}$$


FIGURE 4

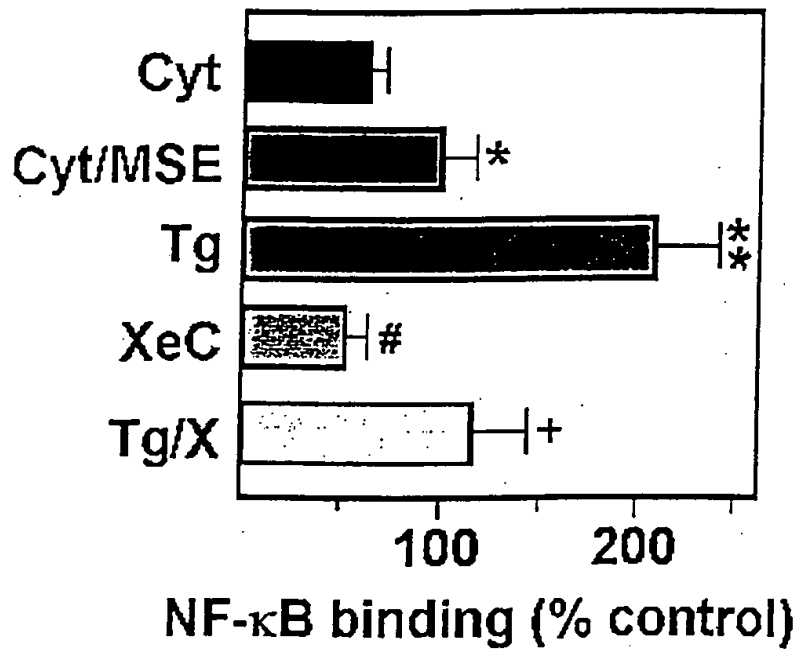
a.

Cyt/MSE

Cyt C Tg X Tg/X Ca²⁺ Ca²⁺/X



b.



c.

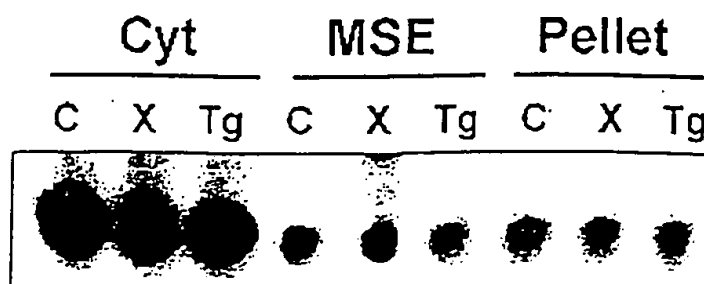
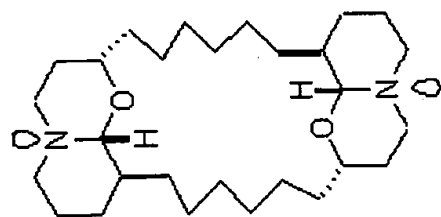


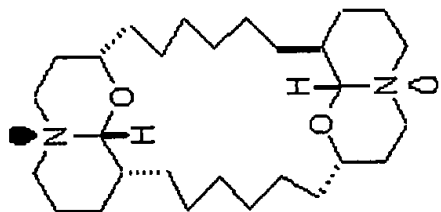
FIGURE 5

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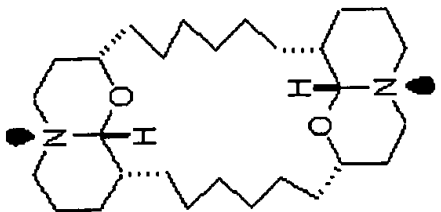
514/229.5



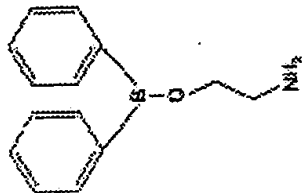
(-)-Xestosponin A



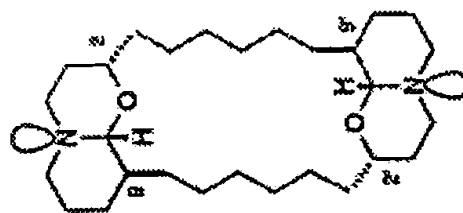
(+)-Xestosponin C



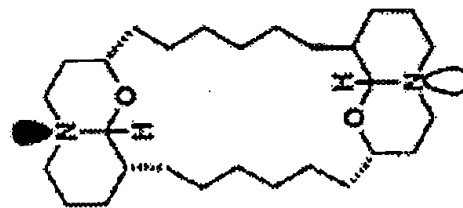
(+)-Araguspongine B



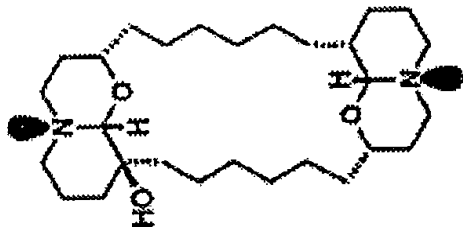
2-APB



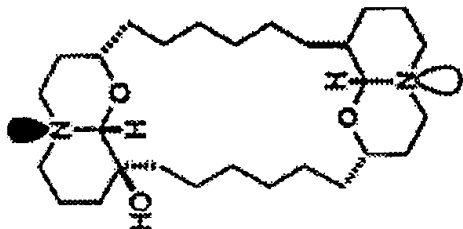
XeA



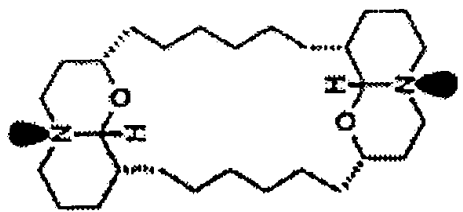
XeC



DMXeB



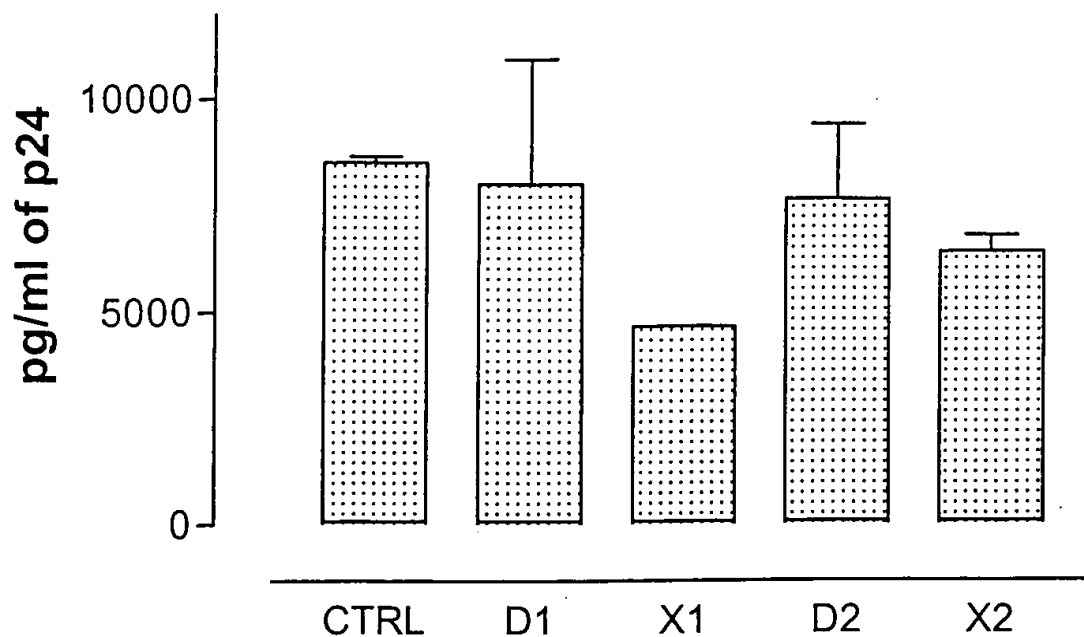
XeD



ArB

FIGURE 6

Experiment 1 Day 2



Experiment 1 Day 3

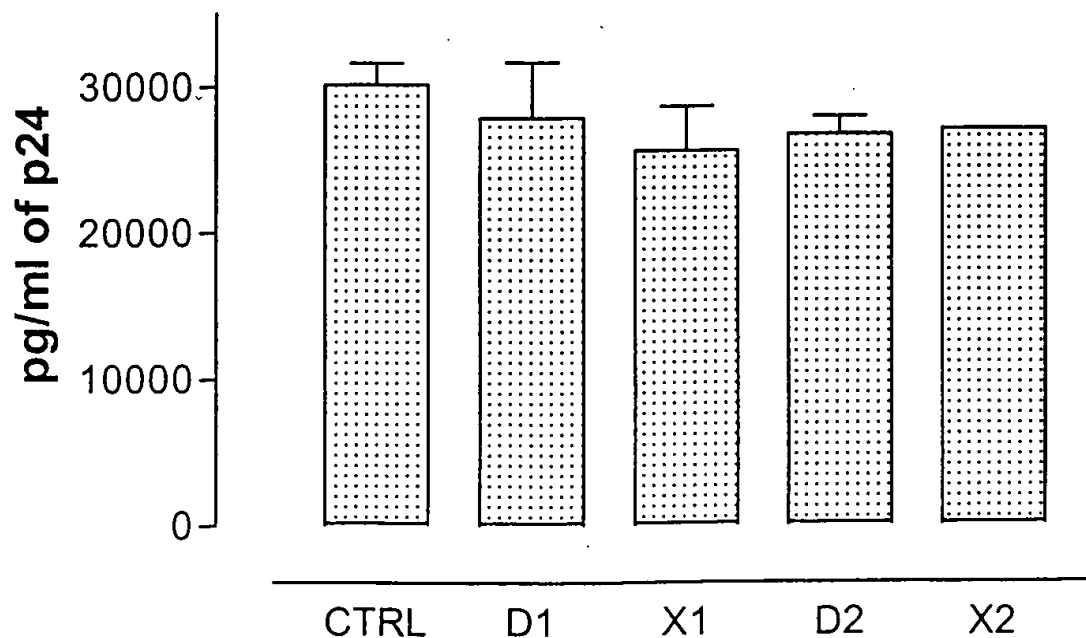
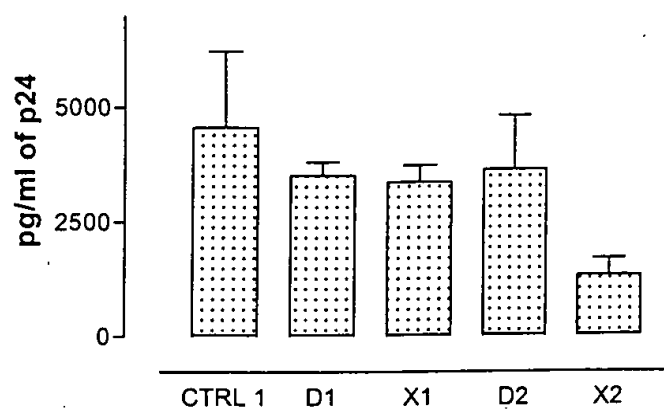
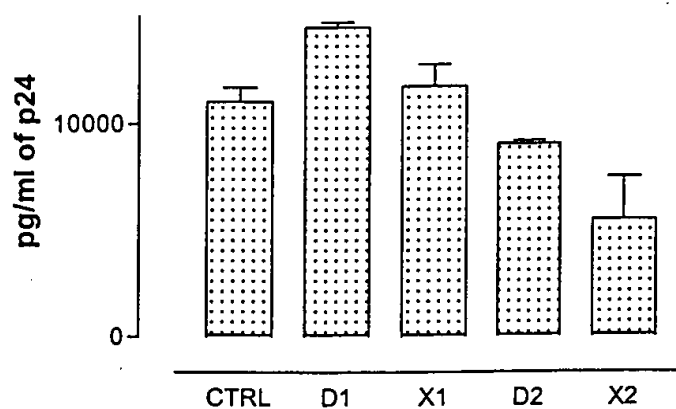


FIG. 7

Experiment 2
Day 2



Experiment 2
Day 3



Experiment 2
Day 4

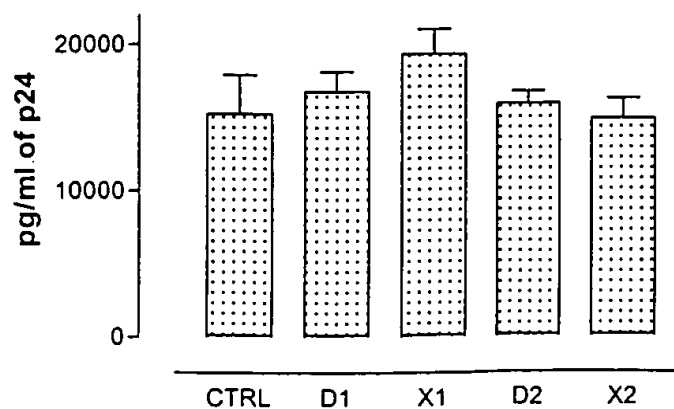


FIG. 8

Second Experiment

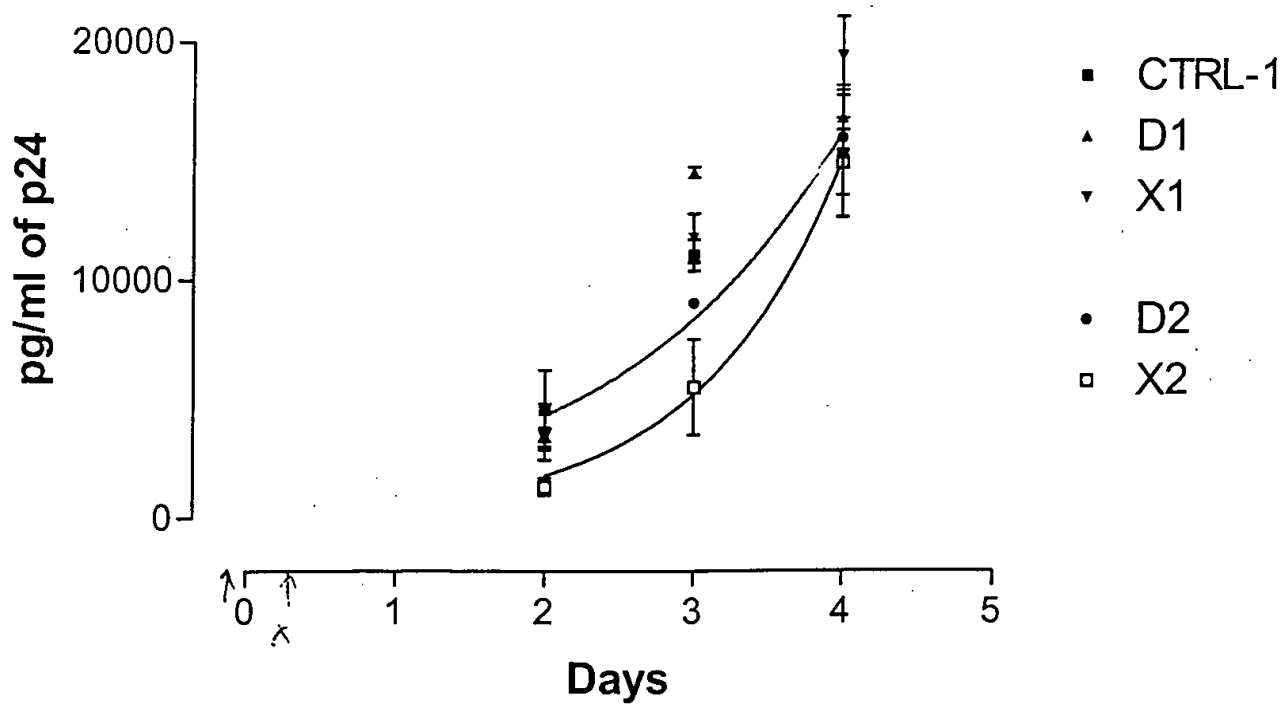
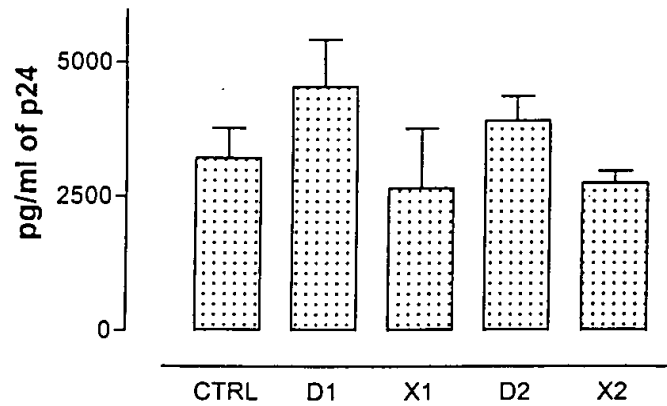
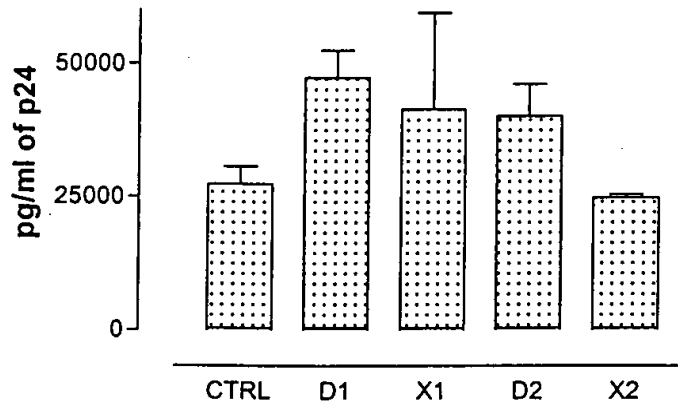


FIG. 9

Experiment 3
Day 3



Experiment 3
Day 4



Experiment 3
Day 5

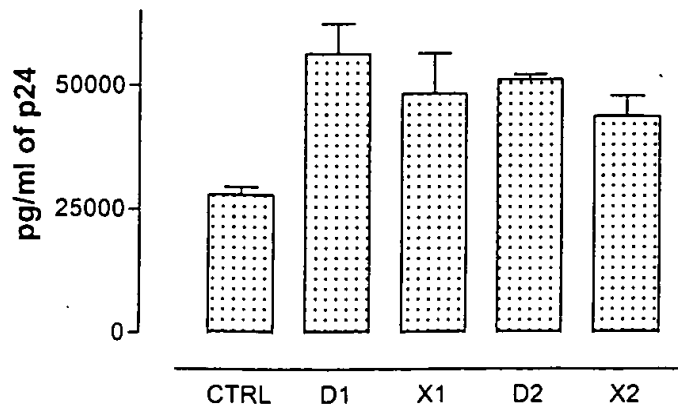


FIG 10

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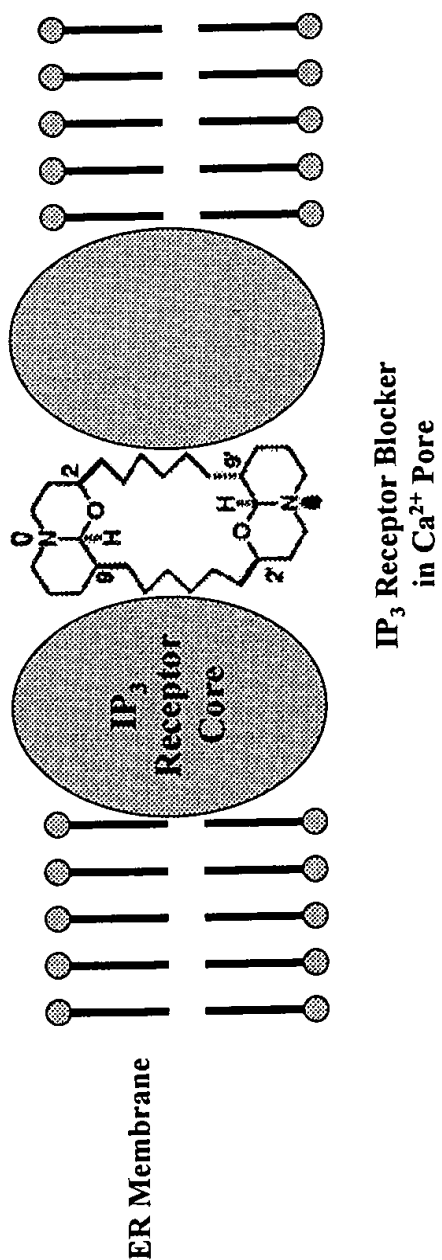


FIGURE 11